

## FIG. 11A

## Leader region

-19  
 M M S S A Q F L G L L L L L C F Q G T R C D I Q M T Q T  
 ATG ATG TCC TCT GCT CAG TTC CTT GGT CTC CTG TTG CTC TGT TTT CAA GGT ACC AGA TGT GAT ATC CAG ATG ACA CAG ACT

SCH94.03  
 CH12  
 germline Vx10

## CDR1

10 20 30  
 T S S L S A S L G D R V T I S C R A S Q D I S N Y L N  
 ACA TCC TCC CTG TCT GCC TCT CTG GGA GAC AGA GTC ACC ATC AGT TGC AGG GCA AGT CAG GAC AAT TTA AAC

SCH94.03  
 CH12  
 germline Vx10

## CDR2

40 50 60  
 W Y Q Q K P D G T V K L L I Y Y T S R L H S G V P S R  
 TGG TAT CAG CAG AAA CCA GAT GGA ACT GTT AAA CTC CTG ATC TAC ACA TCA AGA TTA CAC TCA GGA GTC CCA TCA AGG

SCH94.03  
 CH12  
 germline Vx10

## 80

F S G S G S G T D Y S L T I S N L E Q E D I A T Y F C  
 TTC AGT GGC AGT GGG TCT GGA ACA GAT TAT TCT CTC ACC ATT AGC AAC CTG GAG CAA GAA GAT ATT GCC ACT TAC TTT TGC

SCH94.03  
 CH12  
 germline Vx10

## CDR3

## J region

## Cx

90 100 110  
 Q Q G N T L P W T F G G G T K L E I K R A D A  
 CAA CAG GGT AAT ACG CTT CCG TGG ACG TTC GGT GGA GGC ACC AAG CTG GAA ATC AAA CGG GCT GAT GCT  
 ---T CC-  
 ---T  
 ---T

SCH94.03  
 CH12  
 germline Vx10  
 Jx1

[illegible][illegible][illegible][illegible][illegible]

D C G S R G  
GAC TAC GGT AGT AGG GGG

---  
-T ---  
---  
---

100

FIG. 16

[illegible]

FIG. 17

## Leader Peptide

A2B5 M E S Q I Q V F V F V F L W L S G +1  
 ATG GAG TCA CAG ATT CAG GTC TTT GTG TTT CTC TGG TTG TCT GGT GTT GAC GGA GAC ATT GTG ATG ACC CAG TCT CAC

## CDR1

A2B5 K F M S T S V G D R V S I T C K A S Q D V S 30  
 AAA TTC ATG TOC ACT TCA CAG GGA GAC AGG GTC AGC ATC ACC TGC AAG GGC AGT CAG GAT GTG AGT ACT GCT GTA GCC TGG TAT

## CDR2

A2B5 Q Q K P G Q S P K L L I Y S A S Y R Y T G V P D 60  
 CAA CAG AAA CCA GGA CAA TCT CCT AAA CTA CTG ATT TAC TCG GCA TCC TAC TAC ACT GGA GTC OCT GAT CGC TTC ACT GGC

## CDR3

A2B5 S G S G T D F T F T I S S S V Q A E D L A V Y Y C Q Q H Y 90  
 AGT GGA TCT GGG ACG GAT TTC ACT TTC ACC ATC AGC AGT AGC GCT GAG GAC CTG GCA GTT TAT TAC TGT CAG CAA CAT TAT

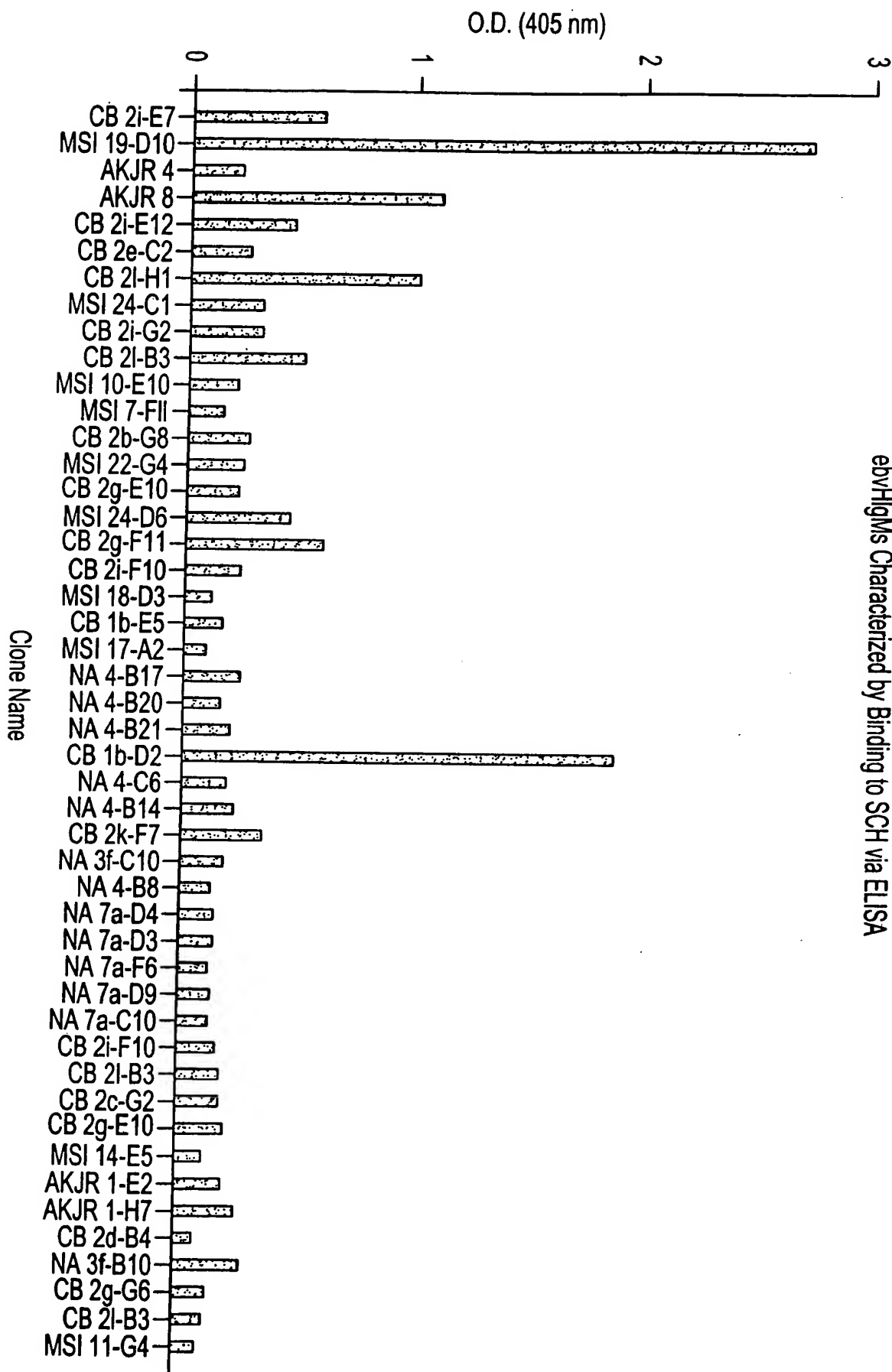
## CDR3

J region C region

gemline 1x5  
 A2B5 T T P L T F G A G T K L E L K R 100 106 106A  
 ACT ACT CCG CTC ACG TTC GGT GCT GGT GCT GAG CTG AAA CGG GCT GAT GCT TCA  
 -G-

FIG. 29

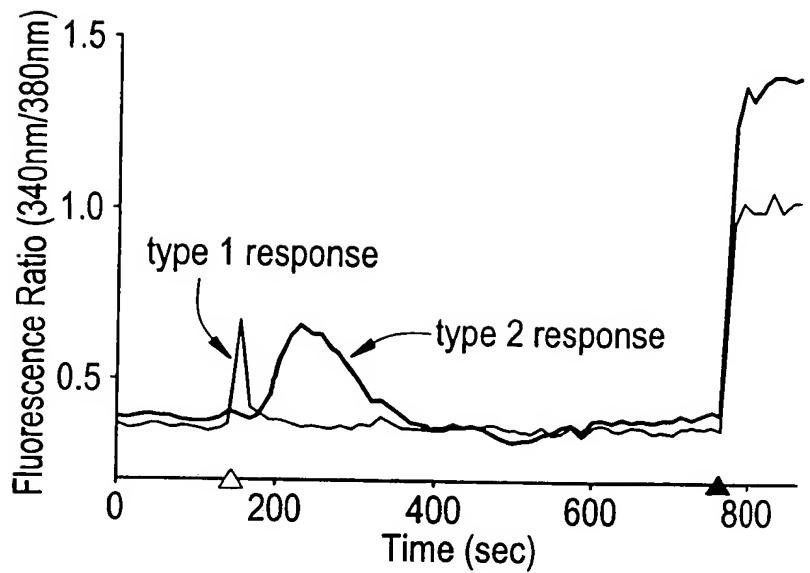
ebvHlgMs Characterized by Binding to SCH via ELISA



**FIG. 39A**

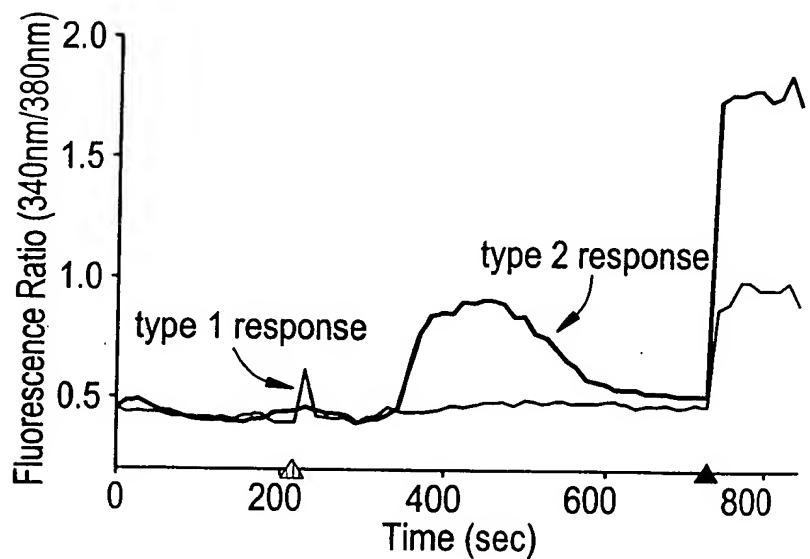
Mixed Primary Glia  
sH-IgM.22  $\text{Ca}^{2+}$  response

- ratio cell #1
- ratio cell #2
- △ sH-IgM.22 ( $3\mu\text{g/ml}$ )
- ▲ Br-A23187 ( $10\mu\text{M}$ )

**FIG. 39B**

Mixed Primary Glia  
SCH 94.03  $\text{Ca}^{2+}$  response

- ratio cell #1
- ratio cell #2
- △ SCH 94.03 ( $3\mu\text{g/ml}$ )
- ▲ Br-A23187 ( $10\mu\text{M}$ )

**FIG. 39C**

Mixed Primary Glia  
CH 12/sH-IgM.14  $\text{Ca}^{2+}$  response

- ratio cell #1
- ratio cell #2
- △ CH 12 ( $3\mu\text{g/ml}$ )
- △ sH-IgM.14 ( $3\mu\text{g/ml}$ )
- ▲ Br-A23187 ( $10\mu\text{M}$ )

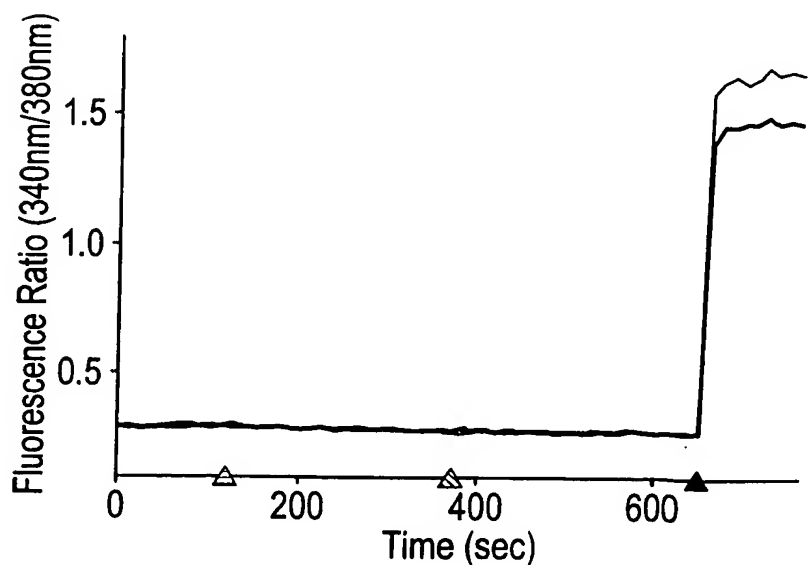


FIG. 72

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<----- F R 1 - I M G T ----->
1  D I V M T Q S P D S L A V S L G E R A T I N
   GAC ATC GTG ATG ACC CAG TCT CCA GAC TCC CTG GCT GTG TCT CTG GGC GAG AGG GCC ACC ATC AAC
----->
      25          30          35          40
C  K S S Q S V L Y S S N K N Y L A W Y Q Q
   TGC AAG TCC AGC CAG AGT GTT TTA TAC AGC TCC AAC AAT AAG AAC TAC TTA GCT TGG TAC CAG CAG
F  R 2 - I M G T ----->
      45          50          55          60          65
K  P G Q P P K L L I Y W A S
   AAA CCA GGA CAG CCT CCT AAA CTA CTC ATT TAC TGG GCA TCT
      CDR1 - IMGT          CDR2 - IMGT          CDR3 - IMGT
      <----->          <----->          <----->
      70          75          80          85
R  E S G V P D R F S G S G
   CGG GAA TCC GGG GTC CCT ... GAC CGA TTC AGT GGC AGC GGG ... TCT GGG ACA GAT TTC ACT
----->
      90          95          100          105          110
L  T I S S L Q A E D V A V Y Y C Q Q Y Y N T
   CTC ACC ATC AGC AGC CTG CAG GCT GAA GAT GTG GCA GTT TAT TAC TGT CAG CAA TAT TAT AAT ACT
      CDR1 - IMGT          CDR2 - IMGT          CDR3 - IMGT
      <----->          <----->          <----->
      115          120          125          130
P  Q A F G Q G T K V E I K R T V A A P S V F
   CCT CAG GCG TTC GGC CAA GGG ACC AAG GTG GAA ATC AAA CGA ACT GTG GCT GCA CCA TCT GTC TTC

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